

1 170. (New) A liquid crystal display device comprising:

2 a first substrate and a second substrate for sandwiching a liquid crystal having a
3 negative dielectric constant anisotropy, and orientations of the liquid crystal being vertical to
4 the first and second substrates when no voltage is applied,

5 said first substrate including first domain regulating means for regulating
6 azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid
7 crystal, and

8 said second substrate including second domain regulating means for regulating
9 azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid
10 crystal,

11 wherein when vertically seen to the substrates, said first domain regulating
12 means includes first line portions and second line portions, said first line portions being
13 extended in a first direction, said second line portions being extended in a second direction
14 different from said first direction, said second domain regulating means includes third line
15 portions and fourth line portions, said third line portions being extended in said first
16 direction, said fourth line portions being extended in said second direction, said first and third
17 line portions being arranged to be neighbored and to be approximately parallel to each other,
18 and said second and fourth line portions being arranged to be neighbored and to be
19 approximately parallel to each other.

1 171. (New) A liquid crystal display device according to claim 170, said first
2 and second domain regulating means includes protrusions, depressions, slits, or combinations
3 thereof.

1 172. (New) A liquid crystal display device according to claim 171, wherein at
2 least four kinds of domains in which orientations of said liquid crystal are substantially
3 different are formed when a voltage is applied to said liquid crystal.

1 173. (New) A liquid crystal display device according to claim 172, wherein a
2 difference angle between said first and second directions is about 90 degrees.
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1 174. (New) A liquid crystal display device according to claim 172, wherein
2 said first and second directions differ from edges of pixel electrodes by about 45 degrees.

1 175. (New) A liquid crystal display device according to claim 170, wherein
2 ^{4 line?} said line portions of said first and second domain regulating means are repeatedly arranged
3 with a predetermined pitch respectively on said first and second substrates.

1 176. (New) A liquid crystal display device according to claim 170, wherein
2 said line portions of said first and second domain regulating means are bent in a generally
3 zigzag shape.

1 177. (New) A liquid crystal display device according to claim 175, wherein
2 said first and second domain regulating means are offset by half of said predetermined pitch.

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1 178. (New) A liquid crystal display device comprising:
2 a first substrate and a second substrate for sandwiching a liquid crystal having a
3 negative dielectric constant anisotropy, and orientations of the liquid crystal being vertical to
4 the first and second substrates when no voltage is applied,
5 said first substrate including first domain regulating means for regulating
6 azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid
7 crystal, and
8 said second substrate including second domain regulating means for regulating
9 azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid
10 crystal,
11 wherein when vertically seen to the substrates, said first domain regulating
12 means includes first line portions and second line portions, said first line portions being
13 extended in a first direction, said second line portions being extended in a second direction

14 different from said first direction, said second domain regulating means includes third line
15 portions and fourth line portions, said third line portions being extended in said first
16 directions, said fourth line portions being extended in said second direction, said first and
17 third line portions being arranged to be neighbored and to be approximately parallel to each
18 other, said second and fourth line portions being arranged to be neighbored and to be
19 approximately parallel to each other, and all of said first, second, third, and fourth line
20 portions existing within each of a plurality of pixels.

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1 179. (New) A liquid crystal display device according to claim 178, wherein
2 said line portions of said first and second domain regulating means are arranged with a
3 predetermined pitch respectively on said first and second substrates.

1 180. (New) A liquid crystal display device according to claim 179, wherein
2 said predetermined pitch is an integral submultiple of said arranged pitch of said pixels.

1 181. (New) A liquid crystal display device according to claim 179, wherein
2 said line portions of said first and second domain regulating means are bent in a generally
3 zigzag shape.

1 182. (New) A liquid crystal display device according to claim 179, wherein
2 said line portions of said first and second domain regulating means are offset by half of said
3 predetermined pitch.

1 183. (New) A liquid crystal display device comprising:
2 a first substrate and a second substrate for sandwiching a liquid crystal having a
3 negative dielectric constant anisotropy, and orientations of the liquid crystal being vertical to
4 the first and second substrates when no voltage is applied,

5 said first substrate including first domain regulating means for regulating
6 azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid
7 crystal, and

8 said second substrate including second domain regulating means for regulating
9 azimuths of the orientations of said liquid crystal when a voltage is applied to said liquid
10 crystal,

11 wherein, when vertically seen to the substrates, said first domain regulating
12 means includes first line portions being extended in a first direction, said second domain
13 regulating means includes second line portions being extended in a second direction, said
14 first line portions being arranged to be approximately parallel to each other at a
15 predetermined pitch and second line portions being arranged to be approximately parallel to
16 each other at said predetermined pitch, and said first and second line portions being crossed.

1 184. (New) A liquid crystal display device according to claim 183, wherein
2 when vertically seen to the substrates, said first domain regulating means further includes
3 third line portions being extended in said second direction, said second domain regulating
4 means further includes fourth line portions being extended in said first direction, said third
5 portions being arranged to be approximately parallel to each other, said fourth line portions
6 being arranged to be approximately parallel to each other, and said third and fourth line
7 portions being crossed.

1 185. (New) A liquid crystal display device according to claim 184, wherein
2 when vertically seen to the substrates, said first, second, third, and fourth line portions
3 respectively being extended continuously, said first and third line portions being crossed to
4 form quadrangles, said second and fourth line portions being crossed to form quadrangles,
5 and said quadrangles formed by said first and third line portions and said second and fourth
6 line portions being offset.

1 186. (New) A liquid crystal display device according to claim 185, wherein
2 when vertically seen to the substrates, said arrangement offset of said quadrangles is a half of
3 said predetermined pitch.

1 187. (New) A liquid crystal display device according to claim 185, wherein
2 when vertically seen to the substrates, said first direction and said second direction cross at
3 right angles.
